IN THE CLAIMS

1. (Previously presented) An actuator comprising:

a motor;

a cam rotatable about a cam axis and drivable by the motor;

a cam follower;

an output member connected to the cam follower, wherein powered rotation of the cam causes the cam follower to be radially displaced relative to the cam axis to provide first and second output positions of the output member,

wherein the cam has a profile that includes a radial stop which, in conjunction with the cam follower, act as a detent so that the cam follower is capable of controlling a position of the cam, and

wherein the motor is powered in a single direction to move the output member from the first output position to the second output position and is driven in the single direction to move the output member from the second output position to the first output position.

2. (Previously presented) The actuator as defined in claim 1, wherein the radial stop and cam follower act as a detent when the motor is not being powered.

3. (Previously presented) The actuator as defined in claim 1, wherein external actuation of the output member causes rotation of the cam.

4. (Previously presented) The actuator as defined in claim 3, wherein the radial stop and cam follower act as a detent during external actuation of the output member.

5. (Previously Presented) The actuator as defined in claim 1, wherein the cam has a first radial stop to stop the cam follower at a first radius and a second radial stop to stop the cam follower at a second radius, wherein the first and second radii are different.

6. (Withdrawn) The actuator as defined in claim 5 in which the cam has a third radial stop to stop the cam follower at a third radius, the first, second and third radii being different.

7. (Previously Presented) The actuator as defined in claim 5, wherein the cam has a plurality of first and second radial stops.

8. (Previously Presented) The actuator as defined in claim 1, wherein the cam follower is biased radially outwardly relative to the cam axis.

9. (Withdrawn) The actuator as defined in claim 1 in which the cam follower is biased radially inwardly relative to the cam axis.

10. (Withdrawn) The actuator as defined in claim 1 in which the cam follower is capable of moving between an radially outer position and a radially inner position and the cam follower is biased to a bias position radially between the radially outer and radially inner position.

11. (Currently Amended) The actuator as defined in claim 1, wherein the cam has a first radial stop to stop the cam follower at a first radius and a second radial stop to stop the cam follower at a second radius, wherein the cam profile between the first and second stops is profiled such that the cam follower moves to a radius which is different than both the first and second radii.

12. (Original) The actuator as defined in claim 1, wherein the cam profile includes a spirally inwardly curved portion.

13. (Withdrawn) The actuator as defined in claim 1 in which the cam profile includes a spirally outwardly curved portion.

14. (Previously Presented) The actuator as defined in claim 1, wherein the cam profile includes a first substantially radially orientated portion to allow the cam follower to move radially inwards or outwards relative to the cam axis.

15. (Previously Presented) The actuator as defined in claim 1, wherein the cam profile includes a return stop to prevent the backward rotation of the cam past the return stop.

16. (Cancelled)

17. (Previously Presented) The actuator as defined in claim 1, wherein a powered position corresponds to each of the output positions of the actuator.

18. (Withdrawn) The actuator as defined in claim 1 having an at rest position differing from the powered output position of the actuator.

19. (Previously Presented) The actuator as defined in claim 1, wherein the actuator is adapted for a vehicle door locking system to provide locking and unlocking of a vehicle door lock.

20. (Withdrawn) The actuator as defined in claim 19 further providing for superlocking of the vehicle door lock.

21. (Previously Presented) The actuator as defined in claim 1, wherein the output positions of the output member are located on an arc of a circle.

22. (Previously Presented) The actuator as defined in claim 1, wherein the motor is connected with the cam via a centrifugal clutch.

23. (Previously Presented) The actuator as defined in claim 1, wherein the motor is connected with the cam via a gear and pinion arrangement.

24. (Previously presented) A kit of parts for assembly to provide an actuator, comprising:

a motor;

a pair of cams, wherein the motor is in driving connection with the pair of cams, and wherein the pair of cams is rotatable about a cam axis, each cam having a different cam profile and only one of which is assembled into the actuator;

a cam follower;

an output member, wherein rotation of the assembled cam causes the cam follower to be radially displaced relative to the cam axis to provide first and second output positions of the output member,

wherein the cam profile includes a radial stop which, in conjunction with the cam follower, act as a detent so that the cam follower is capable of controlling the position of the assembled cam, and

wherein the motor is powered in a single direction to move the output member from the first output position to the second output position and is driven in the single direction to move the output member from the second output position to the first output position.